

FutureBoston, Inc.

*Overview Presentation to Tufts
University*

Wednesday, May 28, 2003

Agenda

- Overview of FutureBoston
- Specific open source projects
- How FutureBoston and Tufts can work together
- Action items

Tools for City Planning

Tools for a Knowledgeabl e Conversation

Develop a Map-Based Archive

Create
realistic 3D
visualizations
delivered via the Web

Future Boston Tools (Current)

1. High speed image-based server
2. Java client (Together these are the Boston Atlas)
3. Transform Applet (aligns maps)
4. Server extensions for data archiving
5. Flash client to server (This creates Map-Based Archive)

Future Boston Tools (Current)

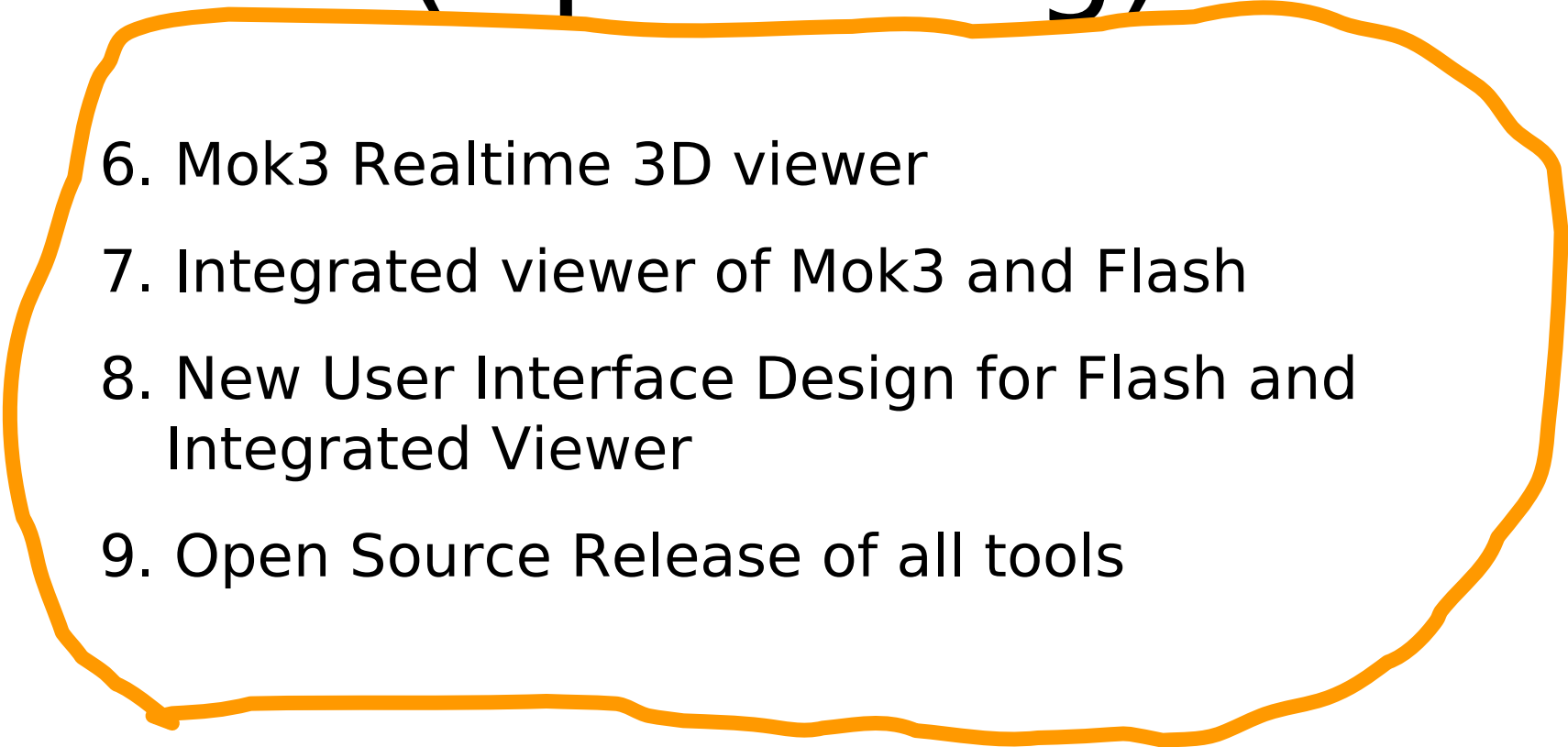
1. High speed image-based server
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3. Transform Applet (aligns maps)
4. Server extensions for data archiving
5. Flash client to server (This creates Map-Based Archive)

Five Main tools
today

Future Boston Tools (Upcoming)

6. Mok3 Realtime 3D viewer
7. Integrated viewer of Mok3 and Flash
8. New User Interface Design for Flash and Integrated Viewer
9. Open Source Release of all tools

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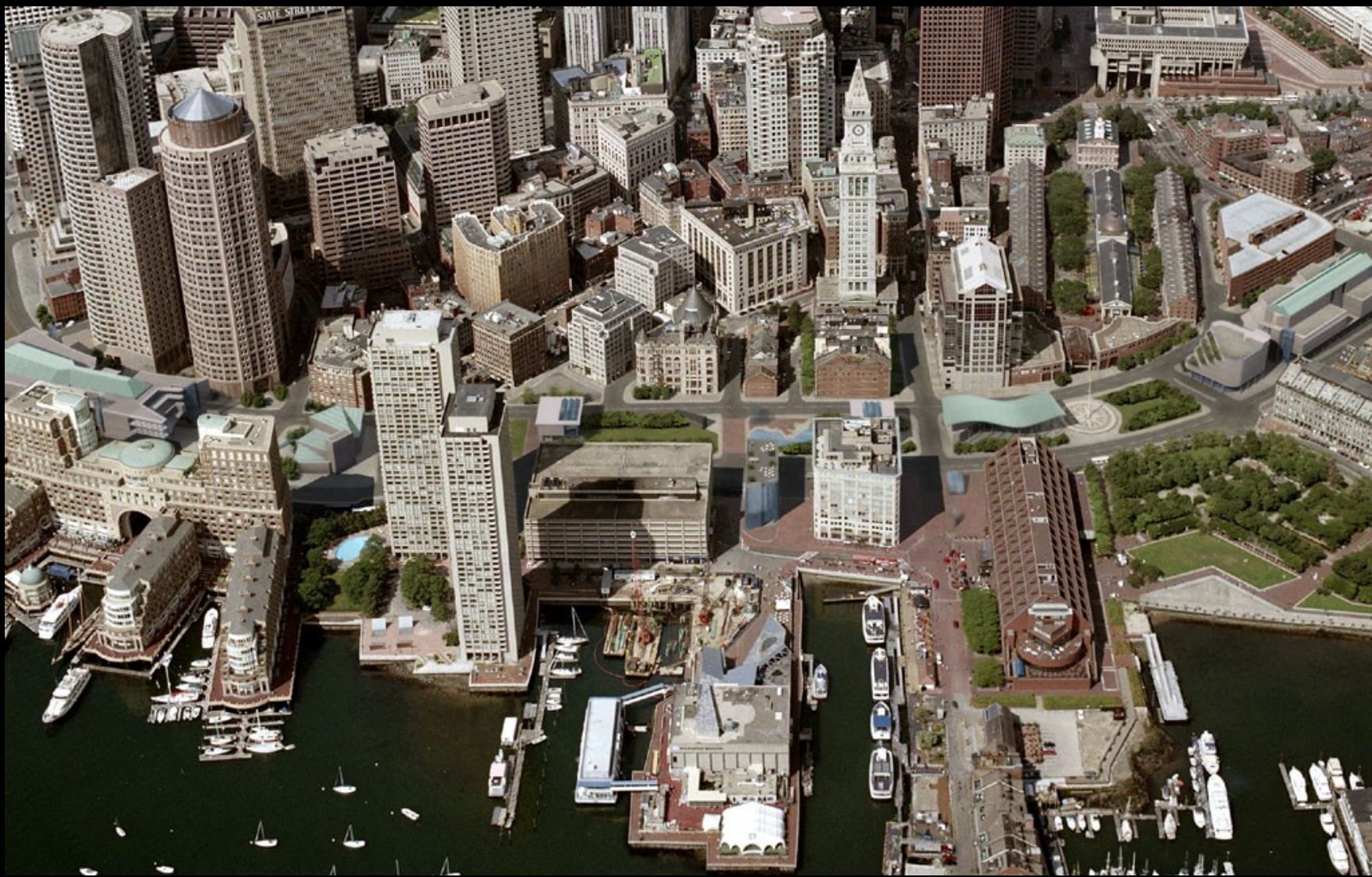
Four Projects Coming
Up

Future Boston Content (Complete or In Process)

1. 3D StudioMax Model of Big Dig Parcels 6-13
COMPLETED by Neoscape, Inc.
2. Panoramic photography of Big Dig surface
artery “edge” from Causeway to Kneeland
Street
3. 3D “Edge” Model of Big Dig surface –
ongoing work by Mok3, Inc.
4. 2D/3D Autocad “Spine” model of Big Dig
parcels – Ongoing work by Mok3, Inc.

Background





welcome



about us

The private non-profit organization, created by Mayor Thomas Menino, that's bringing you the best millennium celebration. Learn more about us, and what we're doing.



special events and celebrations

We're not only celebrating the new millennium, but all that makes Boston a wonderful place to be.



legacy projects

Preparing for the future also means acting now to provide more opportunities for future generations. We're committed to making a substantial long-term impact on health, arts and culture, and freedom.

NEWS FLASH: [B2K Events](#)
[Bunker Hill 2000](#)
[Boston Freedom Award](#)



















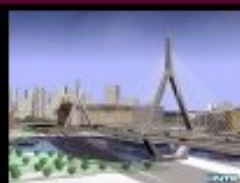
Copyright (c) 2001 Tudor Hulubei <tudor_hulubei@yahoo.com>

FutureBoston

[NEW - Maps Over Time Version 35!](#)



[The Central Artery](#)



[Charles River Bridge](#)



[New Ballpark](#)



[Convention Center](#)



[City Hall Plaza](#)



[Open Space / Parks](#)

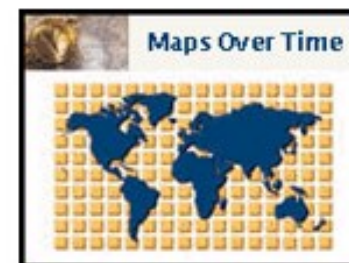
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Last Updated:
10.11.2001

**MAPPING
BOSTON**

EXPERIENCE THE
STATE HOUSE
EXHIBIT

Explore our new Map
Overlay Application:



[Visit Maps Over Time](#)



Maps Over Time



[Boston, MA](#)



[Belmont, MA](#)



[Cambridge, MA](#)



[Roxbury, MA](#)



[Delta Township, MI](#)

City Index

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[North America](#)
[South America](#)
[Europe](#) [Africa](#)
[Asia](#) [Australia](#)



[Maps Over Time](#)

Start Here!

Learn how to use
our mapping software
with these tutorials



[Painting With Maps](#)

Maps Over Time Tutorial | [home](#)

[Click here to start Maps Over Time...](#)

Introduction

Maps Over Time is an Internet-based system that lets you explore the transformation of Boston (and other cities) by overlaying old, new and future maps.



1775



1826



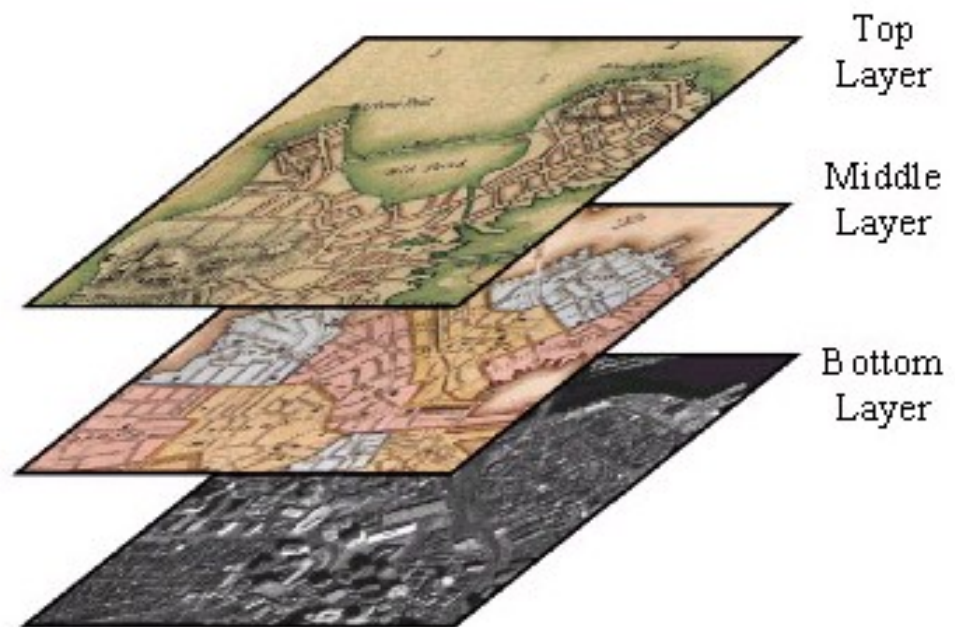
1995

Maps Over Time Tutorial | [home](#)

[Click here to start Maps Over Time...](#)

Three Map Layers

Maps Over Time lets you see three maps on three separate layers that you control. You can turn each layer on or off, make it transparent, or have the roads and features outlined for easy comparison to the layer below.





Zoom In



Zoom Out

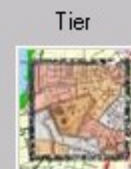
Paint



Mode

Dissolve

View



Street Address:

50 Rows Wharf

Boston,MA

Goto

Start CannonBall Game

☒ On

* 1775 Boston And Environs

Solid

50% Transparent

Outline



☒ On

* 1826 Annin and Smith

Solid

50% Transparent

Outline



☒ On

* 1995 Aerial Photo

Solid

50% Transparent

Outline





MAPPING BOSTON II



Massachusetts State House

January 4, to October 8, 2001



Painting With Maps Tutorial | [home](#)

[Click here to start Painting With Maps!](#)

[Mill Pond](#)



[Fenway Park](#)



[State House](#)



[The Back Bay](#)

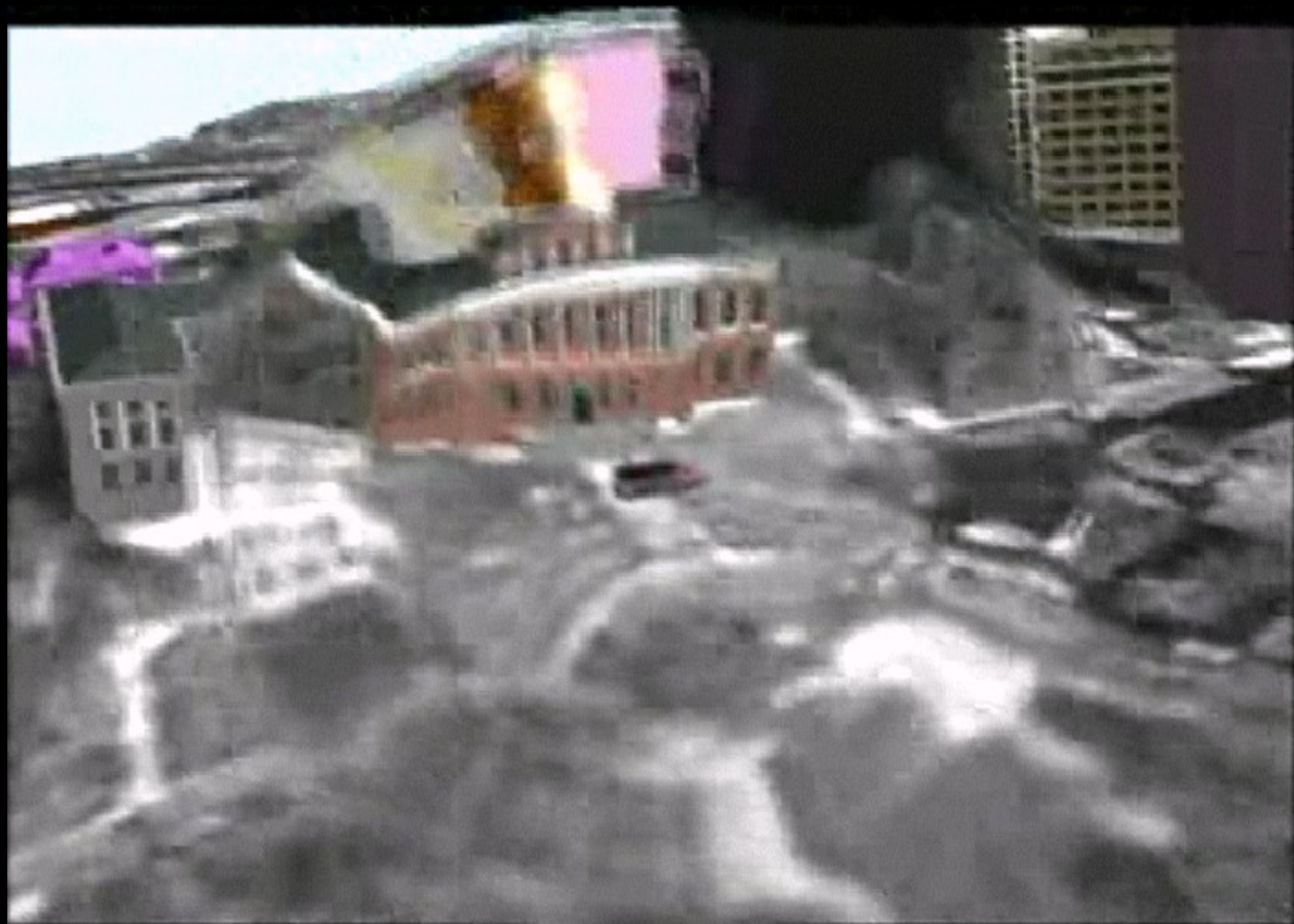


[The North End](#)



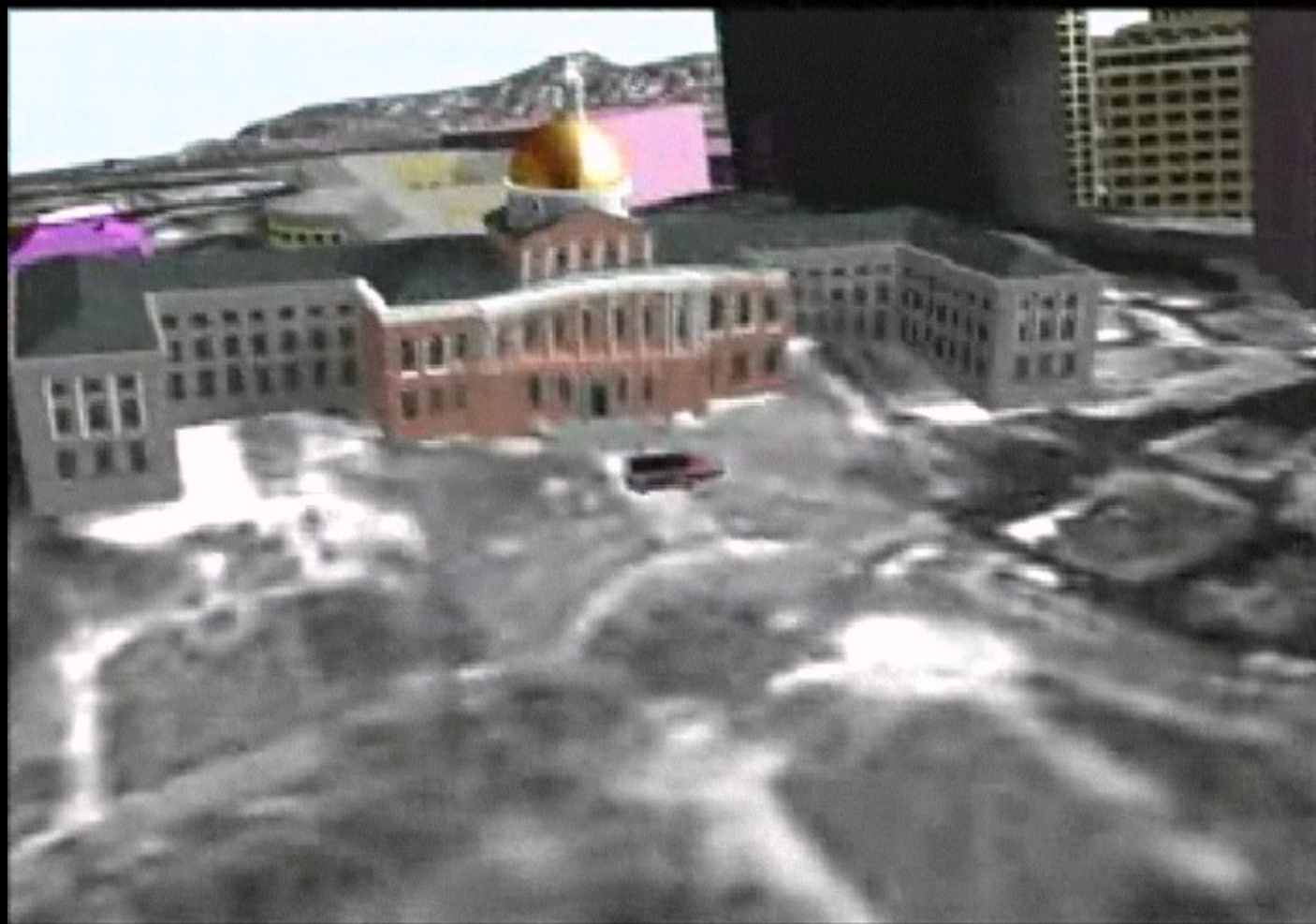
[Long Wharf](#)

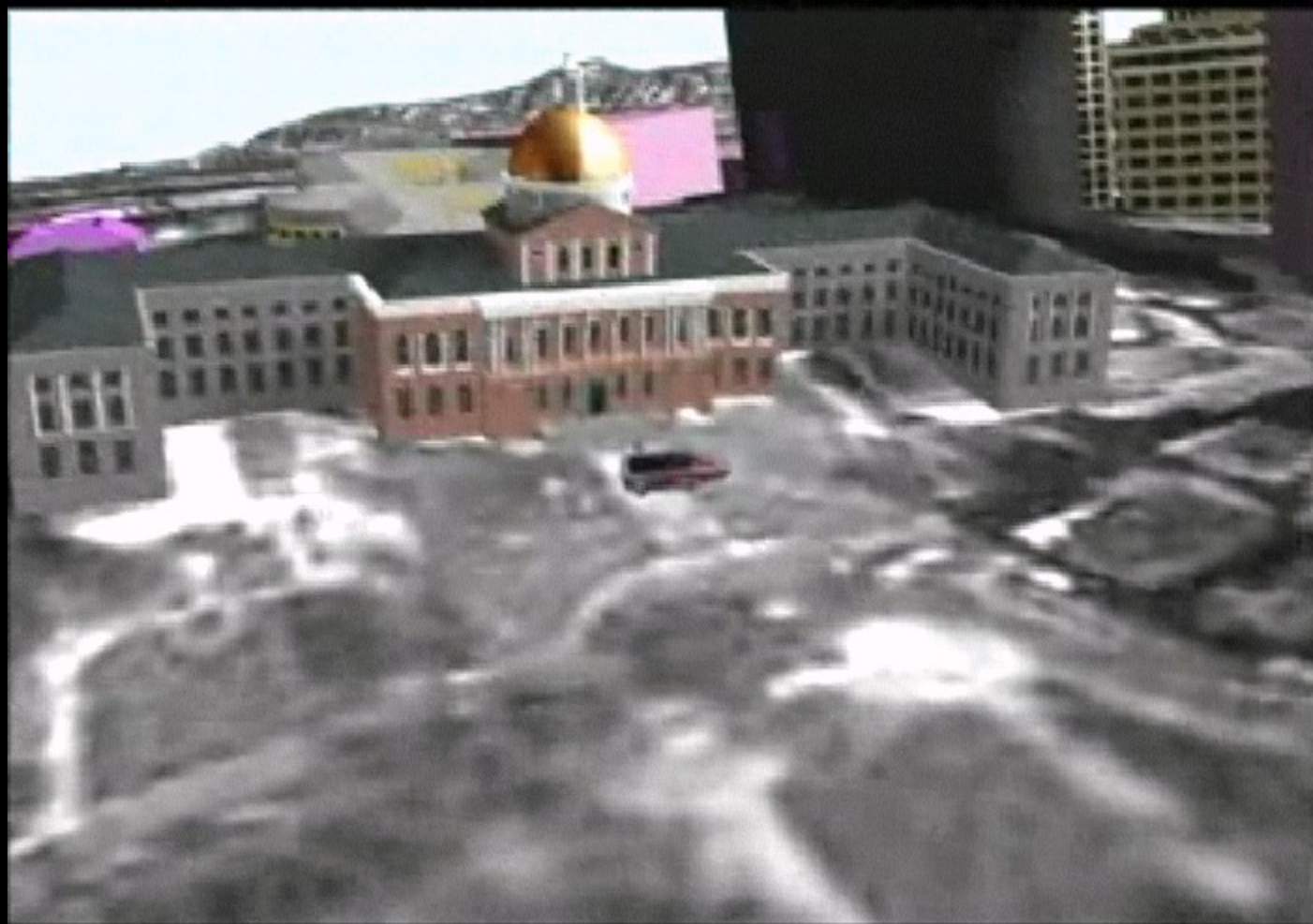

















MapJunction – Boston Atlas




**The
Boston
Atlas**

Search:

Enter a word or phrase to find in any layer and click 'Go'

Address:

Enter a street address and click 'Go'




Top Layer

<input type="checkbox"/>	Street Names	Attributes	?
<input checked="" type="checkbox"/>	2006 Big Dig Overview...	Attributes	?
<input checked="" type="checkbox"/>	Streets	Attributes	?
<input type="checkbox"/>	Building Footprints	Attributes	?
<input checked="" type="checkbox"/>	1995 B'W'SC Orthophoto	Attributes	?

Bottom Layer

MapJunction – Boston Atlas




**The
Boston
Atlas**

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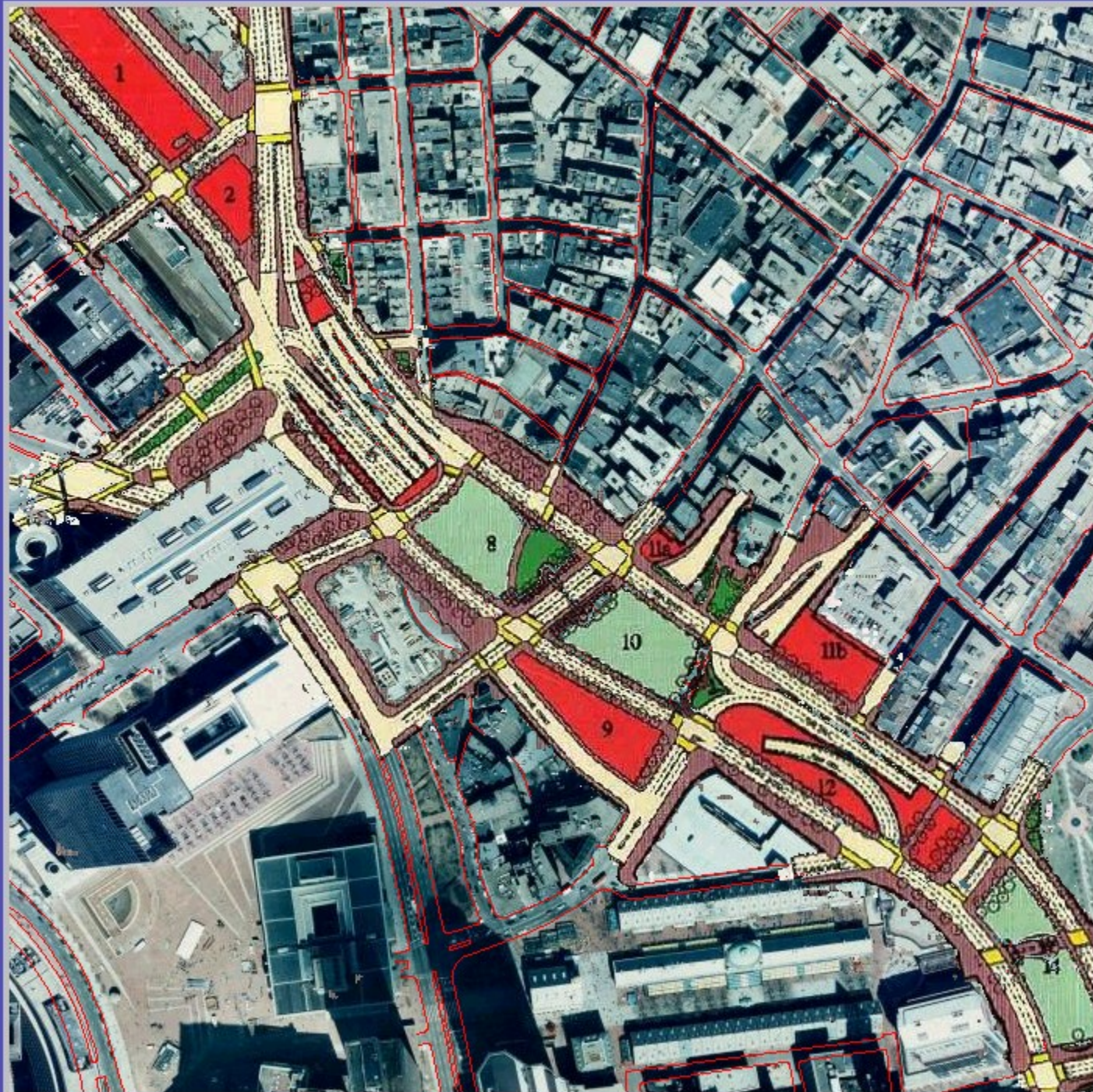
Top Layer

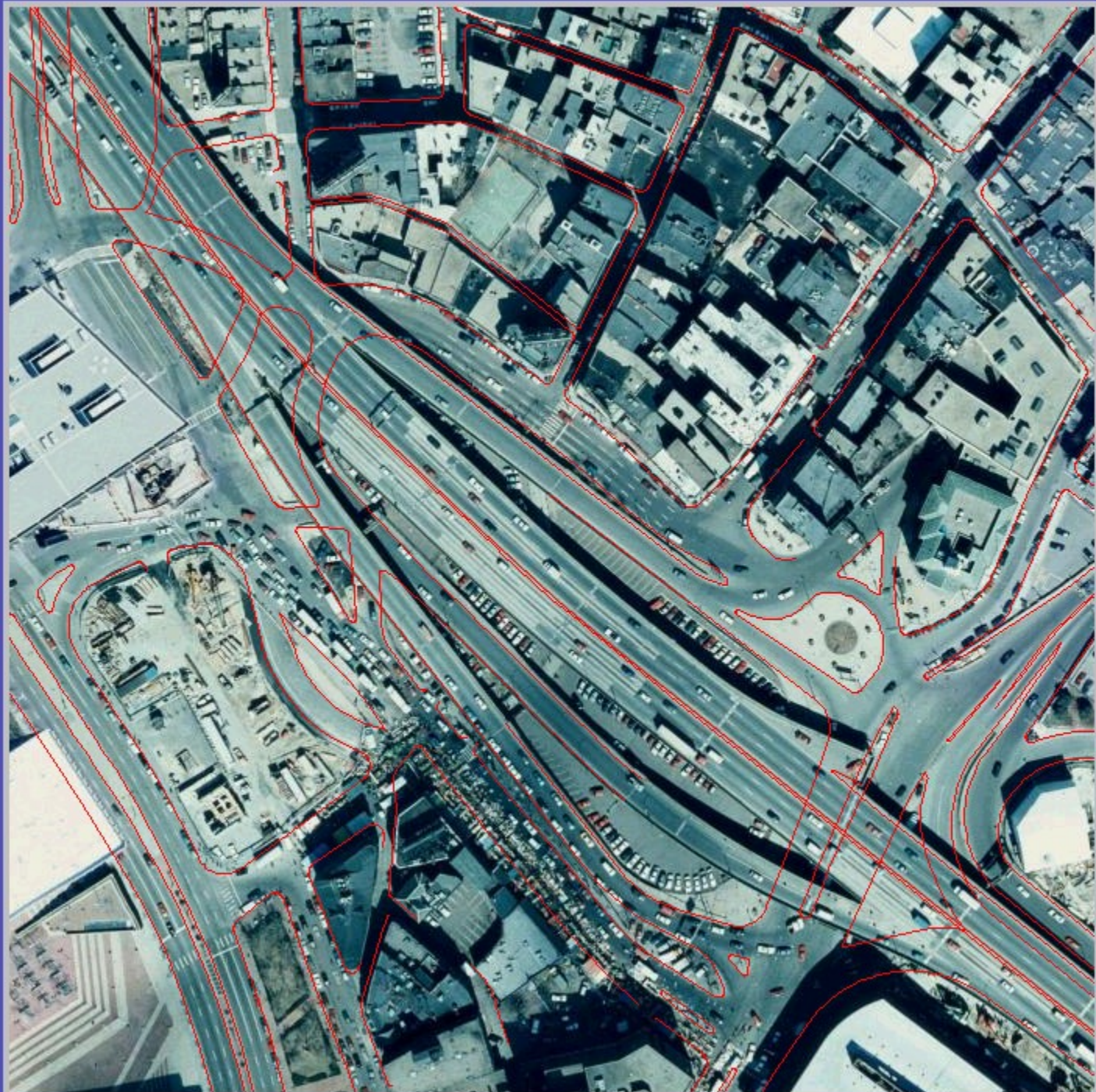
<input checked="" type="checkbox"/>	2006 Big Dig Parcels	<input type="button" value="Attributes"/>	<input type="button" value="?"/>
<input type="checkbox"/>	2006 Big Dig Overvie...	<input type="button" value="Attributes"/>	<input type="button" value="?"/>
<input checked="" type="checkbox"/>	Streets	<input type="button" value="Attributes"/>	<input type="button" value="?"/>
<input type="checkbox"/>	Building Footprints	<input type="button" value="Attributes"/>	<input type="button" value="?"/>
<input checked="" type="checkbox"/>	1995 B'W'SC Orthophoto	<input type="button" value="Attributes"/>	<input type="button" value="?"/>

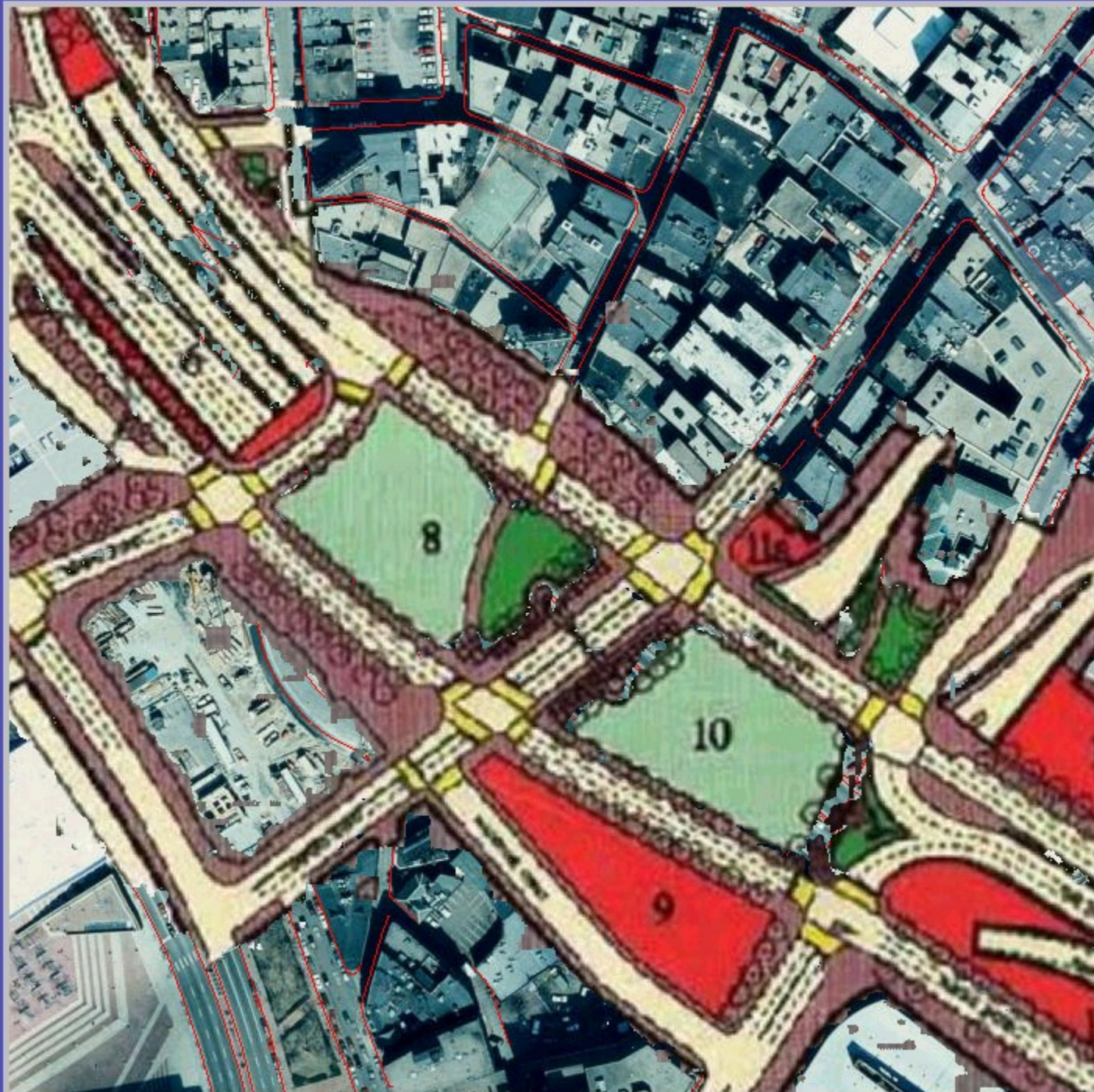
Bottom Layer





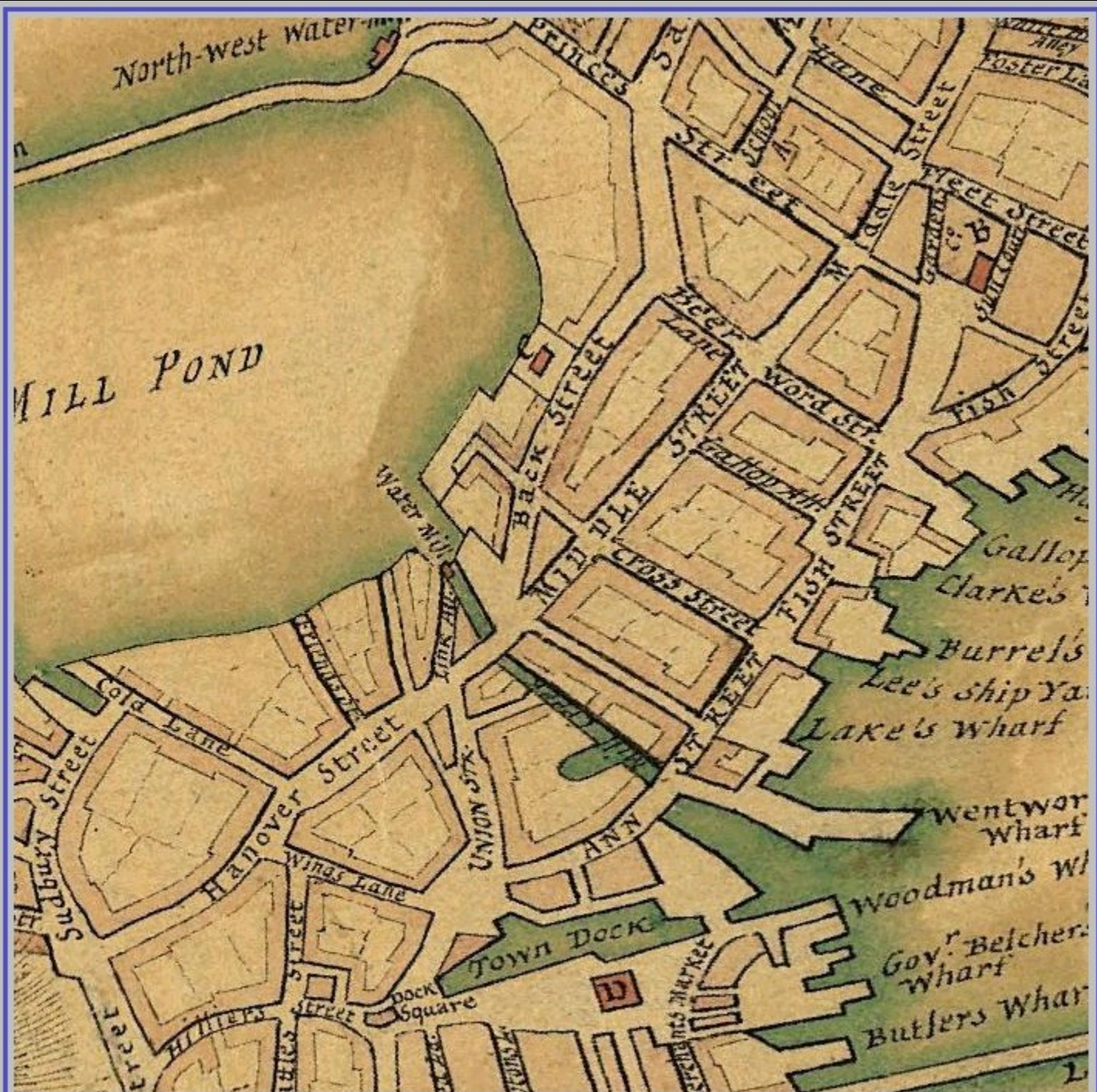


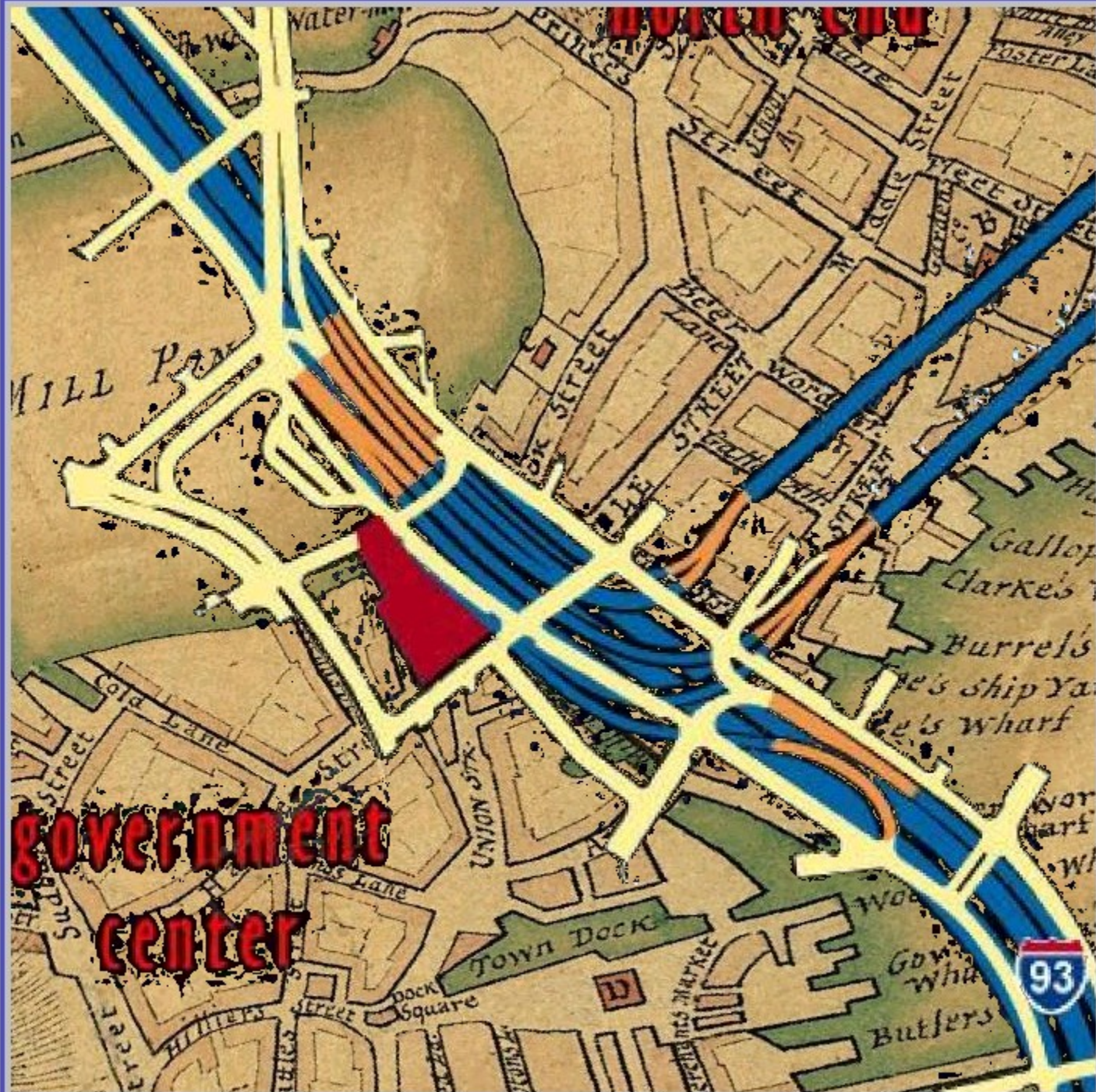




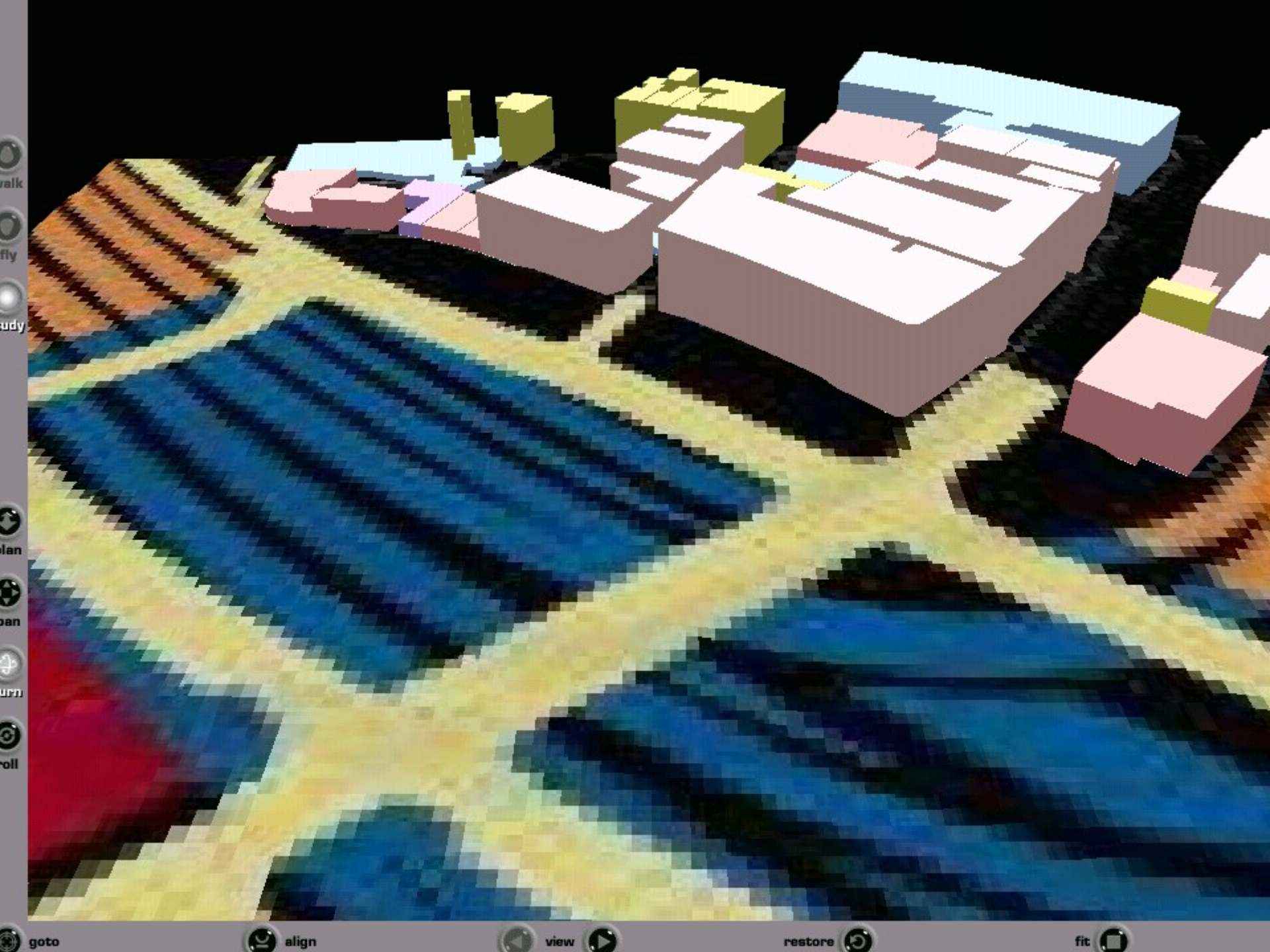












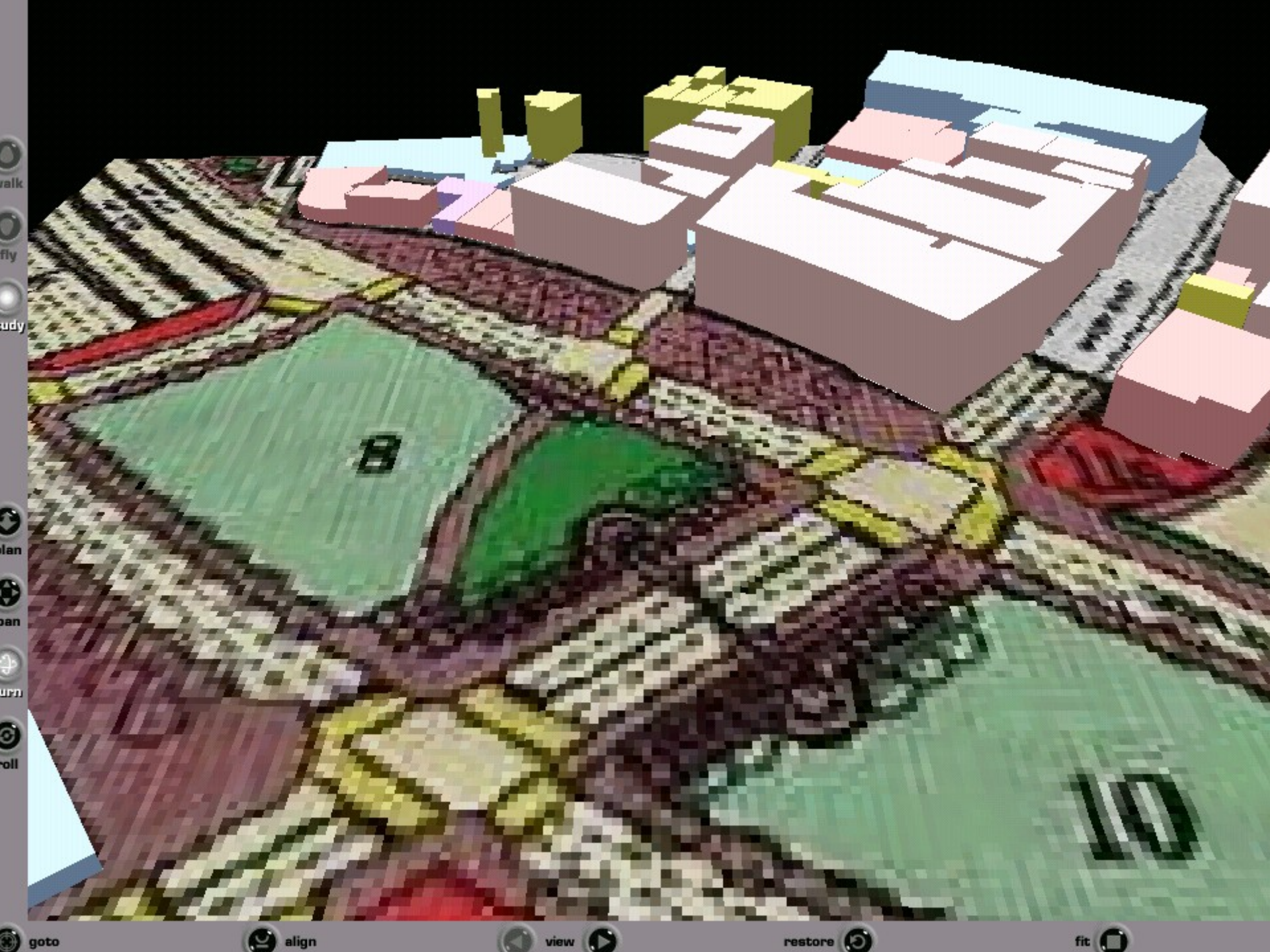
walk
fly
study
plan
pan
turn
roll

goto align

view

restore

fit



walk
fly
study
pan
zoom
roll

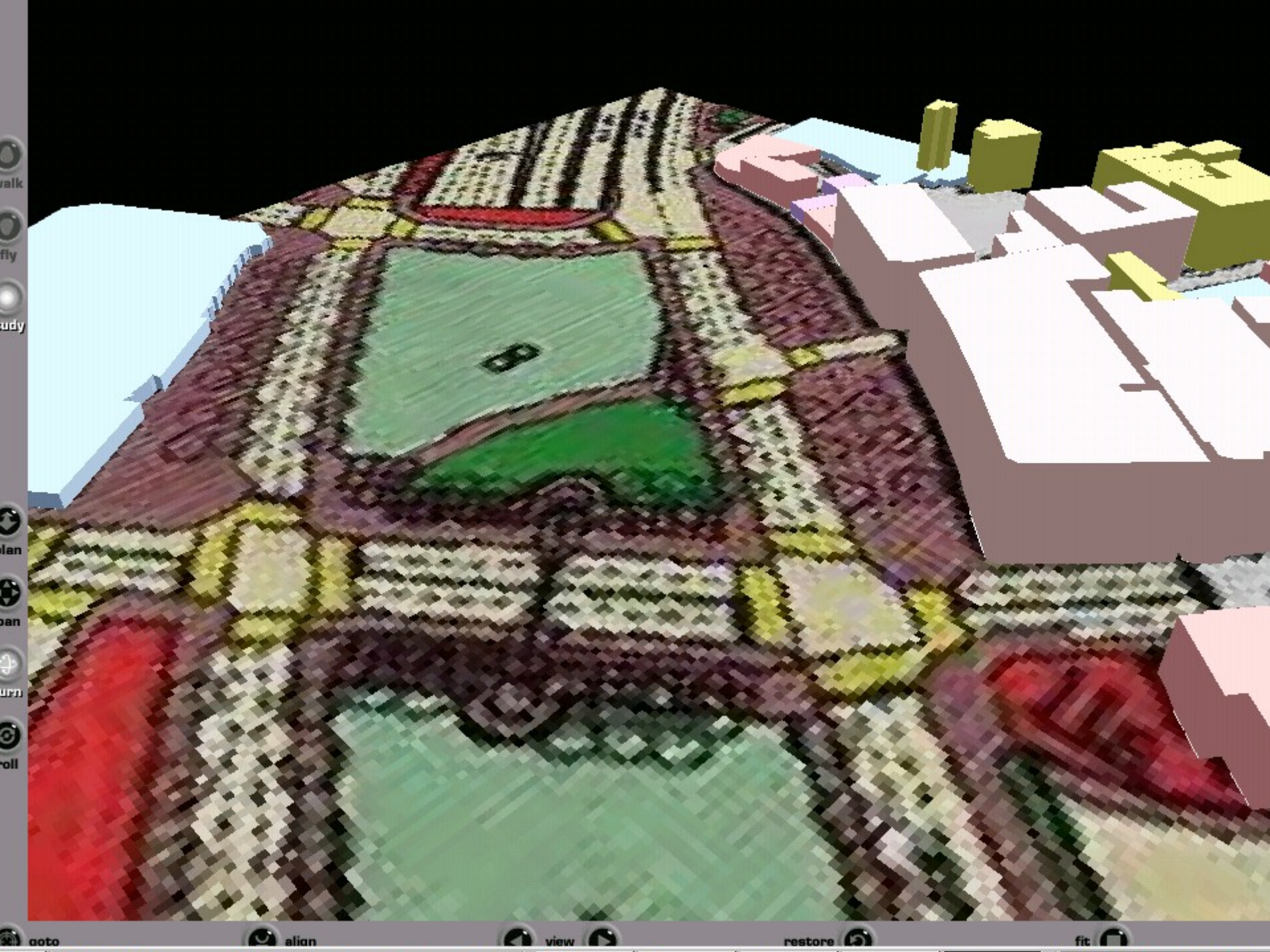
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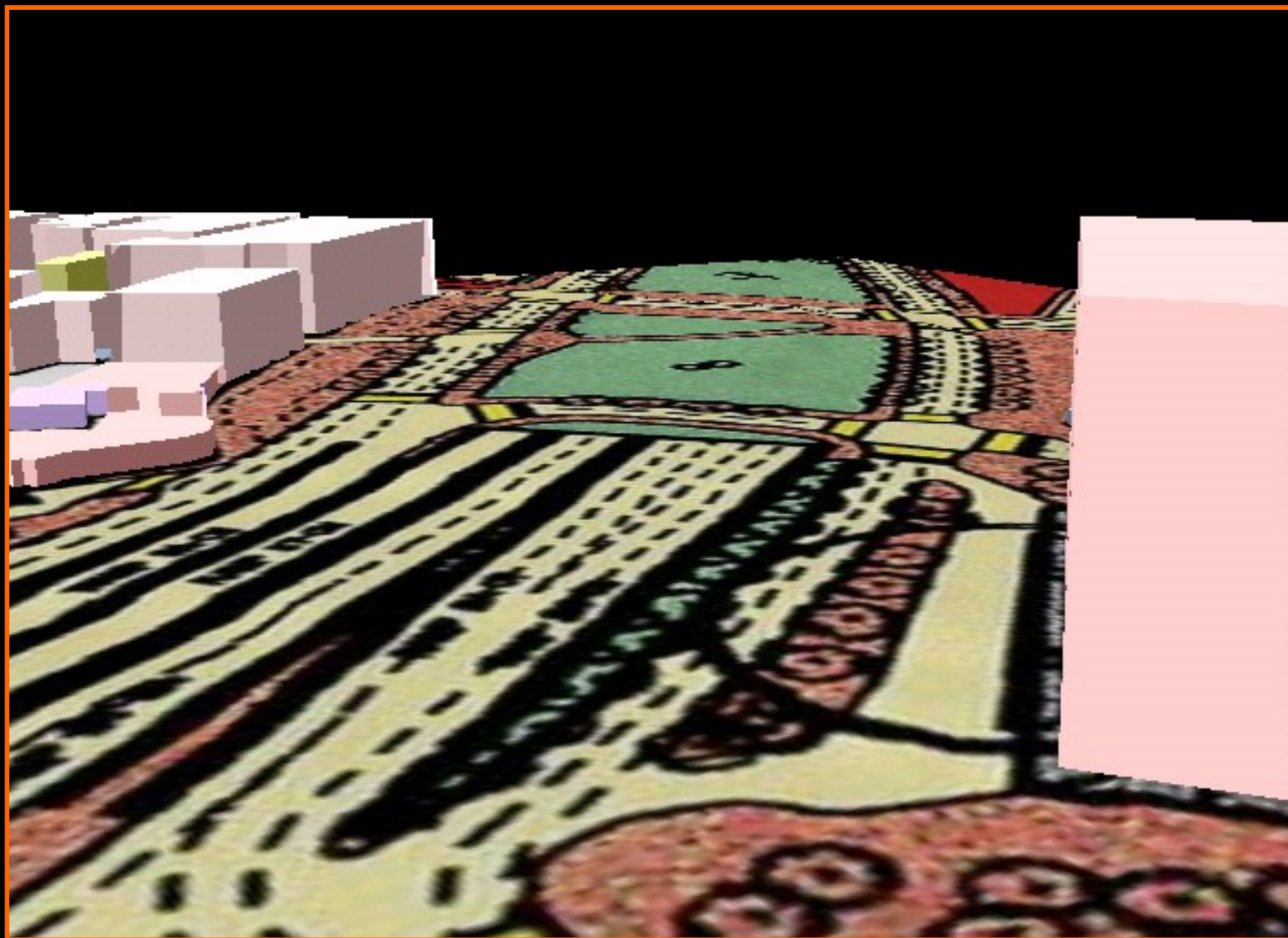
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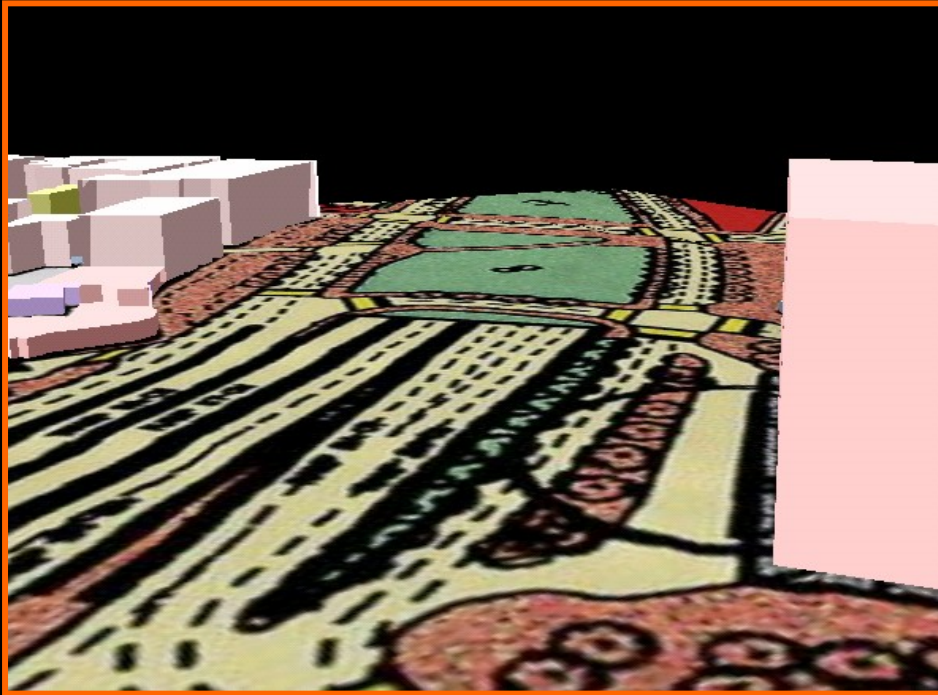
align

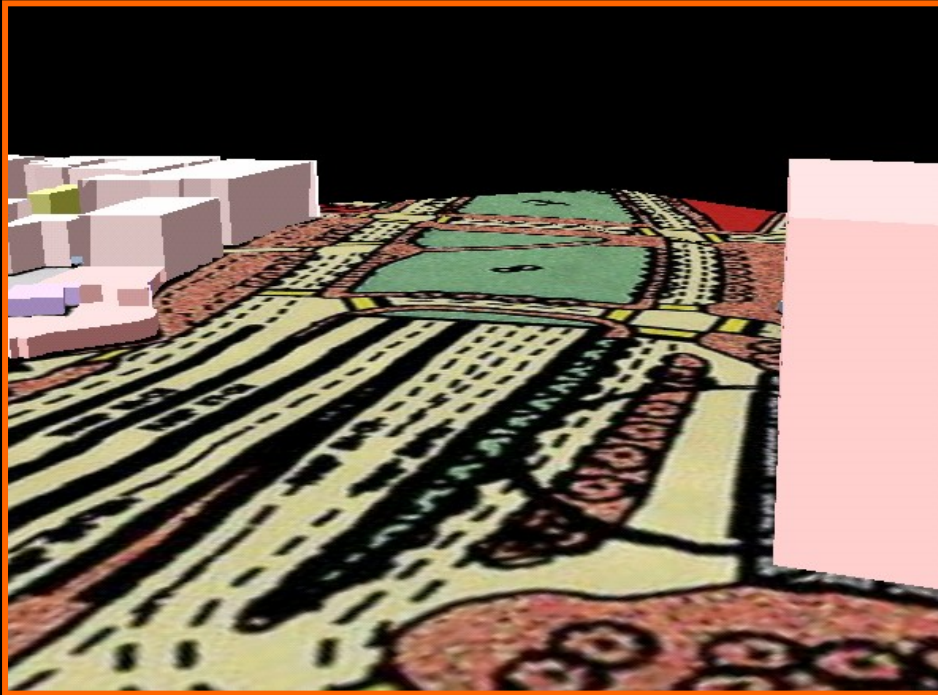
view

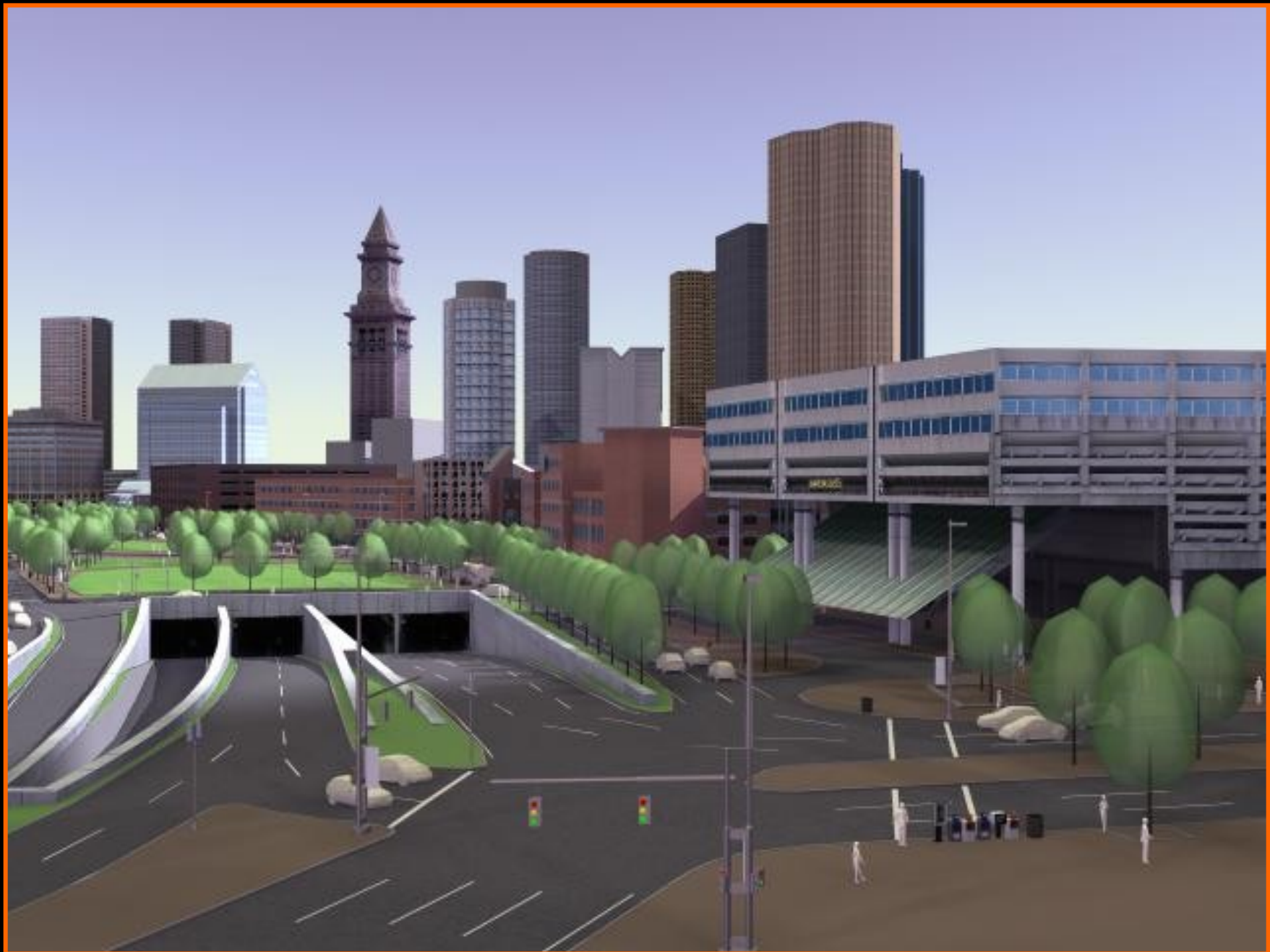
restore

fit

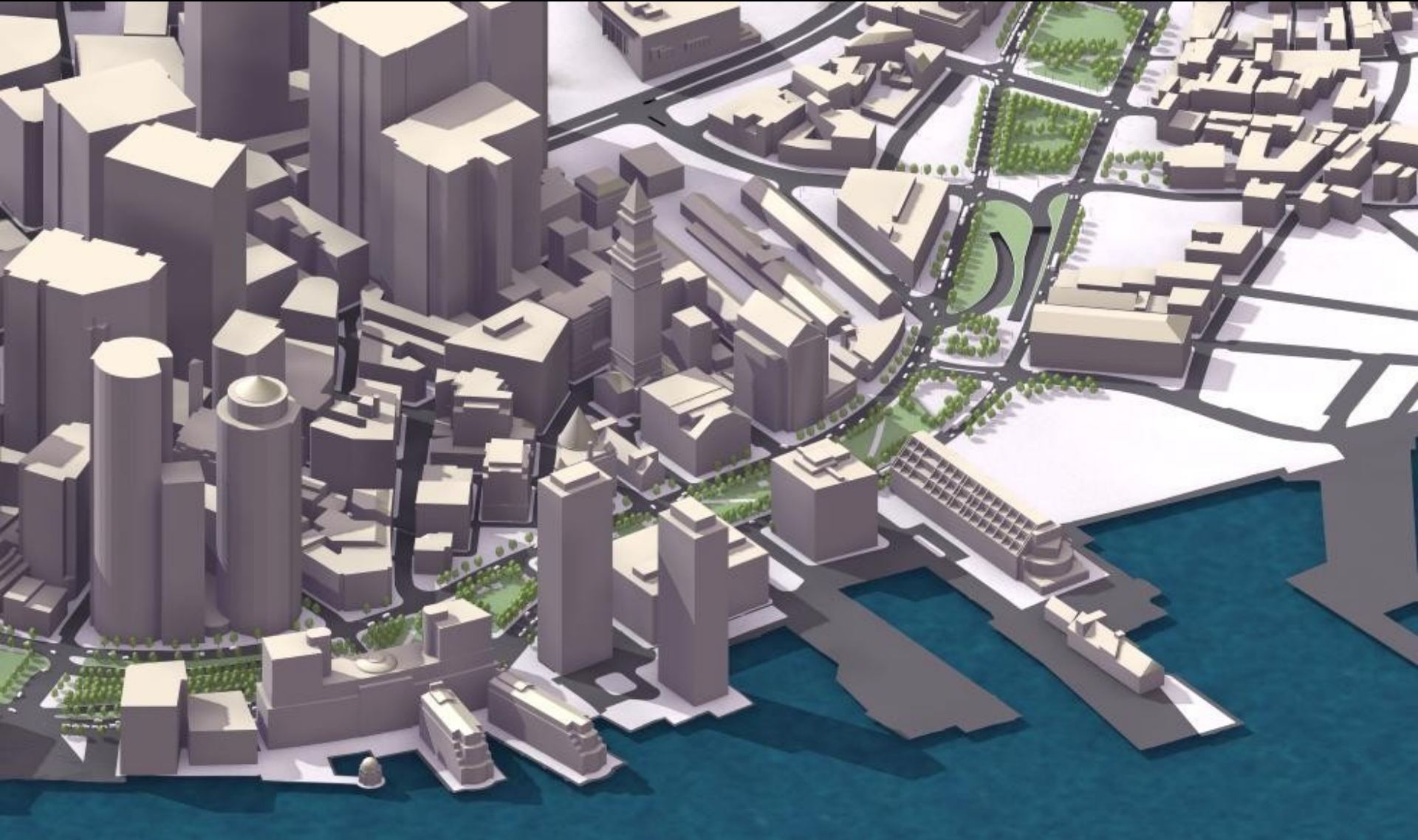








BRA 3D Planning Model



FutureBoston Detailed Design Model



FutureBoston Detailed Design Model



Model Parcels 6-13 Plus
Surrounding Area



Photo Realistic 3D Model



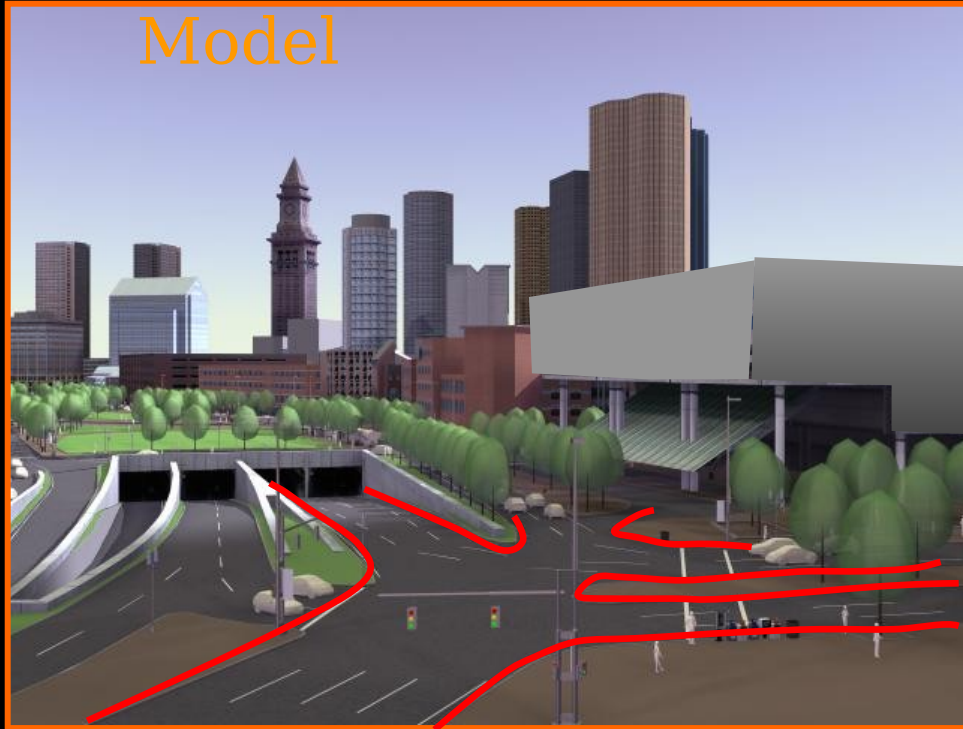
Photo Realistic 3D Model



Detailed Road Placement



Photo Realistic 3D Model



Detailed Road Placement



Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photographic Building Faces

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photographic Building Faces

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photographic Building Faces

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photographic Building Faces

Accurate Tree Placement

Photo Realistic 3D Model



Detailed Road Placement
Accurate Building Shape
Photographic Building Fac
Accurate Tree Placement

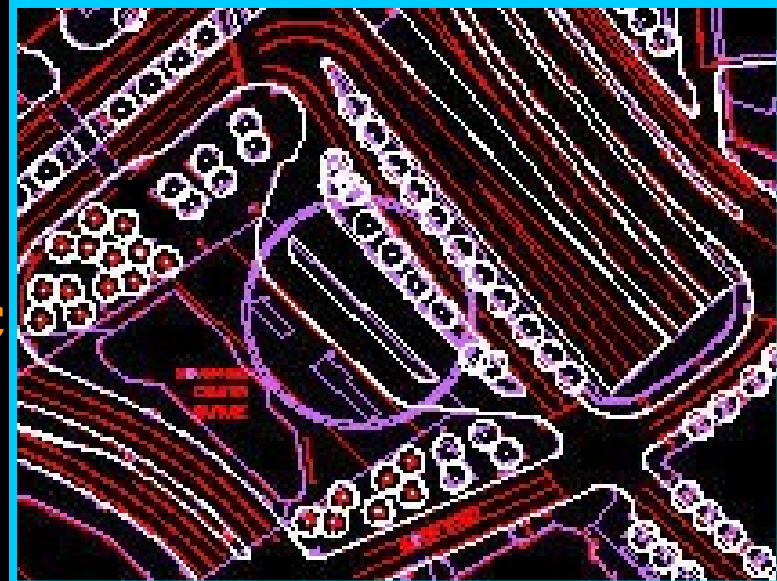


Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photographic Building Faces

Accurate Tree Placement

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shape

Photographic Building Faces

Accurate Tree Placement

Accurate Finished Terrain

Photo Realistic 3D Model



Detailed Road Placement

Accurate Building Shapes

Photographic Building Images

Accurate Tree Placement

Accurate Finished Terrain



To Understand
and Compare
at a *Location*
requires a
Map-Based
Archive

Demos and Discussion

http://www.mapjunction.com/places/Boston_BRA/main.pl?ht=768

<http://www.mapjunction.com/places/MA/main.pl?ht=768>

http://www.mapjunction.com/places/Boston_BRA/mapview.pl

http://www.mapjunction.com/places/Test_BRA/flash.pl